

In the Claims:

1-13. (Cancelled).

14. (Previously Presented) A fuel dispenser comprising:

a vapor recovery system, comprising:

a hose;

a nozzle comprising a boot, said nozzle connected to said hose;

a check valve adapted to let air into said vapor recovery system selectively if a negative pressure is exerted on said nozzle;

a controller adapted to control functions of the fuel dispenser including the vapor recovery system; and

a pressure sensor, said pressure sensor associated with said vapor recovery system and reporting pressure readings to said controller.

15. (Original) The fuel dispenser of claim 14 wherein said vapor recovery system is a balance vapor recovery system.

16. (Original) The fuel dispenser of claim 14 wherein said vapor recovery system further comprises a pump to draw vapors into said vapor recovery system.

17. (Original) The fuel dispenser of claim 16 wherein said pump is a constant speed pump.

18. (Original) The fuel dispenser of claim 16 wherein said pump is a variable speed pump.

19. (Original) The fuel dispenser of claim 14 wherein said boot is a mini-boot.

20. (Original) The fuel dispenser of claim 14 wherein said boot is a full-sized boot.

21. (Original) The fuel dispenser of claim 14 wherein said check valve is positioned in said boot.

22. (Original) The fuel dispenser of claim 14 wherein said check valve is positioned in said hose.

23. (Original) The fuel dispenser of claim 14 wherein said check valve is positioned in said nozzle.

24-25. (Cancelled).

26. (Previously Presented) The fuel dispenser of claim 14 wherein said controller is adapted to determine if a vehicle being fueled is equipped with an onboard vapor recovery system based on pressure readings from said pressure sensor.

27. (Original) The fuel dispenser of claim 26 wherein said controller is adapted to turn off said vapor recovery system if the vehicle is equipped with an onboard vapor recovery system.

28. (Original) The fuel dispenser of claim 26 wherein said controller is adapted to turn on said vapor recovery system if the vehicle is not equipped with an onboard vapor recovery system.

29. (Previously Presented) The fuel dispenser of claim 14 wherein said pressure readings are provided at a time corresponding to a beginning of a fueling transaction.

30. (Previously Presented) The fuel dispenser of claim 14 wherein said pressure readings are provided at a time after commencement of a fueling transaction.

31-44. (Cancelled)

45. (Previously Presented) The fuel dispenser of claim 14 wherein said check valve allows air to pass into said boot when said check valve is open.

46. (Currently Amended) The ~~nozzle~~ fuel dispenser of claim 45 wherein said air offsets the negative pressure and prevents a nuisance shut-off during a fueling transaction.
47. (New) The fuel dispenser of claim 21 wherein said vapor recovery system is a balance vapor recovery system.
48. (New) The fuel dispenser of claim 21 wherein said vapor recovery system further comprises a pump to draw vapors into said vapor recovery system.
49. (New) The fuel dispenser of claim 48 wherein said pump is a pump comprised from the group consisting of a constant speed pump and a variable speed pump.
50. (New) The fuel dispenser of claim 21 wherein said boot is a boot comprised from the group consisting of a mini-boot and a full-sized boot.
51. (New) The fuel dispenser of claim 21 wherein said controller is adapted to determine if a vehicle being fueled is equipped with an onboard vapor recovery system based on pressure readings from said pressure sensor.
52. (New) The fuel dispenser of claim 51 wherein said controller is adapted to turn off said vapor recovery system if the vehicle is equipped with an onboard vapor recovery system.
53. (New) The fuel dispenser of claim 51 wherein said controller is adapted to turn on said vapor recovery system if the vehicle is not equipped with an onboard vapor recovery system.
54. (New) The fuel dispenser of claim 21 wherein said pressure readings are provided at a time corresponding to a beginning of a fueling transaction.
55. (New) The fuel dispenser of claim 21 wherein said pressure readings are provided at a time after commencement of a fueling transaction.

56. (New) The fuel dispenser of claim 21 wherein said check valve allows air to pass into said boot when said check valve is open.

57. (New) The fuel dispenser of claim 56 wherein said air offsets the negative pressure and prevents a nuisance shut-off during a fueling transaction.

58. (New) The fuel dispenser of claim 22 wherein said vapor recovery system is a balance vapor recovery system.

59. (New) The fuel dispenser of claim 22 wherein said vapor recovery system further comprises a pump to draw vapors into said vapor recovery system.

60. (New) The fuel dispenser of claim 59 wherein said pump is a pump comprised from the group consisting of a constant speed pump and a variable speed pump.

61. (New) The fuel dispenser of claim 22 wherein said boot is a boot comprised from the group consisting of a mini-boot and a full-sized boot.

62. (New) The fuel dispenser of claim 22 wherein said controller is adapted to determine if a vehicle being fueled is equipped with an onboard vapor recovery system based on pressure readings from said pressure sensor.

63. (New) The fuel dispenser of claim 62 herein said controller is adapted to turn off said vapor recovery system if the vehicle is equipped with an onboard vapor recovery system.

64. (New) The fuel dispenser of claim 62 wherein said controller is adapted to turn on said vapor recovery system if the vehicle is not equipped with an onboard vapor recovery system.

65. (New) The fuel dispenser of claim 22 wherein said pressure readings are provided at a time corresponding to a beginning of a fueling transaction.

66. (New) The fuel dispenser of claim 22 wherein said pressure readings are provided at a time after commencement of a fueling transaction.
67. (New) The fuel dispenser of claim 22 wherein said check valve allows air to pass into said boot when said check valve is open.
68. (New) The fuel dispenser of claim 67 wherein said air offsets the negative pressure and prevents a nuisance shut-off during a fueling transaction.
69. (New) The fuel dispenser of claim 23 wherein said vapor recovery system is a balance vapor recovery system.
70. (New) The fuel dispenser of claim 23 wherein said vapor recovery system further comprises a pump to draw vapors into said vapor recovery system.
71. (New) The fuel dispenser of claim 70 wherein said pump is a pump comprised from the group consisting of a constant speed pump and a variable speed pump.
72. (New) The fuel dispenser of claim 23 wherein said boot is a boot comprised from the group consisting of a mini-boot and a full-sized boot.
73. (New) The fuel dispenser of claim 23 wherein said controller is adapted to determine if a vehicle being fueled is equipped with an onboard vapor recovery system based on pressure readings from said pressure sensor.
74. (New) The fuel dispenser of claim 73 wherein said controller is adapted to turn off said vapor recovery system if the vehicle is equipped with an onboard vapor recovery system.
75. (New) The fuel dispenser of claim 73 wherein said controller is adapted to turn on said vapor recovery system if the vehicle is not equipped with an onboard vapor recovery system.

76. (New) The fuel dispenser of claim 23 wherein said pressure readings are provided at a time corresponding to a beginning of a fueling transaction.
77. (New) The fuel dispenser of claim 23 wherein said pressure readings are provided at a time after commencement of a fueling transaction.
78. (New) The fuel dispenser of claim 23 wherein said check valve allows air to pass into said boot when said check valve is open.
79. (New) The fuel dispenser of claim 78 wherein said air offsets the negative pressure and prevents a nuisance shut-off during a fueling transaction.